



0-Beat

Pikes Peak Radio Amateur Association, Inc.
P.O. Box 16521
Colorado Springs, Colorado 80935

Inside This Issue:

Board Meeting Minutes.....	Page 5
Christmas Party Update!.....	Page 7
Ham Radio Open House Report	Page 10
Membership Meeting Minutes	Page 3
PPARES Active in City Exercise.....	Page 11
President's Corner.....	Page 7
RACES Called for Prescribed Burn...	Page 10
Scout's Scout Out Ham Radio	Page 8
Treasurer's Report	Page 7



November 1998

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O-Beat

Pikes Peak Radio Amateur Association Officers and Directors

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*Board Member:	Les Borst	KCØNC	634-3995	kc0nc@kktv.com
Board Member:	Roger French	KBØRLF	598-9570	clutch_service@msn.com

*This Officer/Director is completing the second year of the two-year term to which they were elected.

The *O-Beat* is published monthly in the interest of the members of the Pikes Peak Radio Amateur Association, Inc., PO Box 16521, Colorado Springs, Colorado 80935.

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Deadline for submission of articles or advertisements is the Monday following the Board Meeting.

Please send newsletter items directly to the *O-Beat* Editor.

Email to jboyes@usa.net is preferred, however, submissions are accepted in any form.

Permission is granted to reprint articles provided credit is given to both the author and this publication.

License Exams

License examinations sponsored by the PPRAA are held at 9 AM on the 2nd Saturday of February, April, June, August, October, and December at:

Denver Technical College
225 South Union
Colorado Springs

Everyone is seated on a walk-in basis. Those wishing to take an exam should bring the following items:

1. \$6.35 (preferably a check/money order made out to ARRL/VEC) for any exam other than element 1A or 2.
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3. A copy of your current amateur radio license, and/or a copy of any examination credit you have, as well as the signed original. We keep the copies.
4. A pen, pencils, and a calculator if you need one.

If you have any questions, call Erik Mugele, KGØXE at 596-5345. Please do not call Denver Technical College.

Committee Chairpersons/Contacts

Activity	Pete Petry	WD4DHR	
Auditing			
Asset	Mike Stansberry	KØTER	636-1290
Historian	Jody Borst	KAØROZ	634-3995
Interference	Bill Petty	NØNJX	532-1439
Membership	Les Borst	KCØNC	634-3995
Programs	Jeff Boyes	NØJLH	229-5703
Publicity	Ron Deutsch	NKØP	593-8352
Public Service	Mike Stansberry	KØTER	636-1290
Swapfest '99	Bob Ryals	KIØGF	
Technical Instruction	Linda Hedges	KBØRKW	520-9238
VE Testing	Erik Mugele	KGØXE	596-5345
O-Beat Editor	Jeff Boyes	NØJLH	229-5703

Other Organizational Liaisons

ARES Liaison	Mike Stansberry	KØTER	636-1290
CCARC Liaison	Ron Deutsch	NKØP	593-8352
RACES Liaison	Bryan Curl	NØLUF	575-8400

Reminder — General Membership Meeting

The next General Membership Meeting of the Pikes Peak Radio Amateur Association will be on the second Wednesday of this month at Mt. Calvary Lutheran Church, 1318 N. Circle Drive Blvd. The meeting will start at 7 PM.

Zero Beat

General Membership Meeting Minutes October 14, 1998 Paula Gainer, KCØAGG, Secretary

Good Evening and welcome to the Annual membership meeting, for October 14, 1998. It was a frightful sight, as it was 7:00pm and the Secretary had not arrived yet. Greg WA2OOD opened the meeting at 7:05pm.

Introductions and call signs were given. Also members were asked to state how many years they have had their tickets and what year they were issued. It was interesting to see how long some of us have been ham operators, and the different call signs that changed over the years. We also had a few visitors.

Greg WA2OOD had a few announcements. The first was to thank Aaron KD6FLM and all that helped to make the library exhibit a great success.

For the October *Ø-Beat* we will have a new *Ø-Beat* editor, Jeff NØJLH. Greg thanked Bill KDØJU for his past editorial skills, as it is a challenge to compile all of the information that goes into the *Ø-Beat*, plus make the deadline.

The QSL board was at the meeting, thanks to John NØQJS for getting it ready. We need some help to fill some position states that we don't have yet. So if you have QSL cards please bring them to the November meeting and we will add them to our collection.

There were no corrections to last month's *Ø-Beat*. Jake NØCYR motioned to accept the minutes as printed. Sid KA2KER seconds it. The motion passed.

There was no Treasurer's report as Rob N7LV was out of town. He will submit a separate report.

Moe WBØRTF announced that Dave NØEOP's mother had passed away. Paula KCØAGG said that a sympathy card would be sent to him. A sympathy card was sent around for club members to sign as George WBØBUM also lost his mother.

Committee Reports:

Activity - Pete Petry was unavailable, but he is still working on the Christmas party and pending board approval we will have a turkey and stuffing/pot luck, with club members bringing a side dish to share, held at Irving Middle School. So please come to the December meeting on December 9, 1998. Sid KA2KER asked about Christmas gifts.

Assets: Mike KØTER. Mike KØTER, Les KCØNC, and Rob N7LV will conduct the annual inventory review.

Public Service: Mike KØTER mentioned the first time we did the Enduro event was in 1978. Also thanked all for their help on the events. This year's event was a wonderful success.

Historian: Jody KAØROZ had nothing to report for this month. She continues to work hard on updating history from past issues of *Ø-Beat*. Jeff NØJLH mentioned that some of the club's history is getting put on the web page. Our club has a web page, so please check it out some time. (<http://www.qsl.net/ppraa/> — Ed.) We also have a club binder with history we have already acquired so take a look at it sometime in the near future.

Interference: Bill NØNJX no report.

Membership: Les KCØNC had no report at this time, but mentioned that we had door prizes to be sure and get some tickets as there were some nice prizes.

Programs: Jeff NØJLH stated that next month, our speaker will be Rick Brown KØSU, talking about QSLing and different awards that we can acquire through ham radio and to learn processes. Jeff reminded us of the upcoming Christmas party in December. We also have a program set up for January which will be Homebrew night, which is self built equipment and we will vote on the best equipment. He has nothing after January so if you have any ideas for a program, please contact Jeff NØJLH.

Publicity: Ron NKØP is in need of net control operators for the Thursday night nets on 146.580 simplex. Some ideas that could be discussed are

Pikes Peak Radio Amateur Association

swapfest meetings, interesting topics, and much more. Jeff NØJLH mentioned that on the web page is a list of people that have volunteered for net control, and a net script is there also.

CCARC: Ron NKØP. For those of you who don't know, CCARC stands for the Colorado Council of Amateur Radio Clubs. The PPRAA hosted a semiannual meeting of the Colorado Council of Amateur Radio Clubs last month. Thanks to Rosie and Russ for their help. Discussion included 1) What might be done to open some repeater pairs that seem to be unused. 2) How to deal with repeater/remote base interference. 3) Walt, WØCP discussed the recent FCC proposal to restructure amateur licensing and invited everyone to submit their views on the subject to him so he can bring them to ARRL. (WØCP@arrl.org). There was no swapfest report at this time.

Technical Instruction: Linda KBØRKW. Once again Frank McNally KFØWF will be having Novice/Tech classes. There is a lot of interest out there. Classes will start on January 11, 1999. They will be held on Mondays and Wednesdays at 7:00pm at the Tesla Society in the upcoming year.

VE testing: There was no report this month. But Greg WA2OOD did mention that two weeks and one day ago from Carlos's KBØREI class. Three people passed. One Tech, one novice and one receiving a Tech/Plus, also about a half a dozen other people passed. So VE testing was real good this month. Our newest licensees are Mark Flutcher KCØEGI, Kate Ellis KCØEGJ and her son Jonathan Ellis KCØEGK. They are also our newest members to the club.

JOTA: Dan Scott KBØPPM said that they were doing well on club generators and the Mountain Amateur Radio Club would be bringing one. They needed some heaters to help keep warm. Rob N7LV came up with a list of simplex frequencies to use and Wes Wilson KØHBZ worked the simplex talk-in frequency 146.520 and acted as NCS for JOTA. They had expected some 500 scouts. We hope that you were able to chat with some of our scouts.

Old Business: No old business this month

New Business:

Greg mentioned that we would like to see more elmer's to help the new hams that graduate from Frank's KFØWF classes. And hopes that some of us can get to his classes and elmer before classes are over. There was an antenna raising party for a new ham Kate KCØEGJ. We congratulated her on her new license.

Ron NKØP announced that the Colorado Section Manager, Tim Armagost, would host a cabinet meeting next month. Anyone who would like an issue they have brought to the section level can forward the comment to Ron at (dectschra@aol.com). Comments can also be forwarded to Jeff Ryan, NØWPA.

Hammy: Last month the hammy was presented to Rex KIØBJ who added a blue ford toy truck. He said that he would be leaving and therefore awarded it back to the club members. At the board meeting we will decide who to award it to. The board meeting will be held at Sand Creek police station.

Door prize winners: WB6NSE, NØCYR, WBØRTF, WBØMCT, NØQJS, and KBØREI, one of our guests, NØABC, and KCØAGG.

Election of Officers

At the September board meeting we had some nominations for the following positions. President, Vice President, Secretary, Treasury and one board position. They are as follows, Moe WBØRTF for president, Rob N7LV for treasury, Paula KCØAGG for secretary.

President:

Ron NKØP nominated for Moe WBØRTF for president. It was second by John NØQJS. Any other nominations and the room was dead silent. Jake NØCYR motioned to close nominations and it was second by Aaron KD6FLM and the motion passed. Our new president is Moe Pierce WBØRTF and she will be serving the first year of a two-year Board term.

Zero Beat

Vice President:

Mike KØTER nominated Mike WV7T for vice president. It was second by Rosie WAØMNL. Any other nominations for vice president, and complete silence filled the room. Moe WBØRTF made a motion that by affirmation that Mike be VP. Sid KA2KER seconds, and motion passed unanimous. Our new Vice President is Mike Anderson WV7T, and he will be serving first year of a two-year Board term.

Secretary:

Jody KAØROZ nominated Paula KCØAGG for secretary. Jake NØCYR seconds the motion. Any other nominations, again not a word spoken. Dennis NØABC motioned to close nominations, Mike KØTER second it. The motion passed unanimously. Paula KCØAGG is the new secretary and will be serving the first year of a two-year Board term.

Treasurer:

Nomination for treasurer is Rob N7LV. Bill KDØJU makes a motion and it is second by Bill NØNJX. There were no other nominations. Dan Scott KBØPPM motions to close nominations and it was second by Les KCØNC, and passed. New Treasurer is Rob Roller N7LV. He will be serving his second year of a two-year Board term.

Jeff NØJLH was appointed as the *Ø-Beat* Editor.

Current Board Members:

Greg WA2OOD, Bill NØNJX, and Les KCØNC will be serving the second year of a two-year Board term.

New Board position:

There were three nominations for the one open board position. Carlos KBØREI, nominated himself, it was second by KA2KER.

Jeff NØJLH nominated Roger KBØRLF and it was second by Jake NØCYR. Ron NKØP nominated Bill KDØJU, and it was second by Carlos KBØREI. Paula KCØAGG motioned to close nominations, Jody KAØROZ second it. A secret ballot was done to determine the new board position. The ballots were tabulated.

And our new board member is Roger KBØRLF. He will be serving his first year of a two-year Board term.

Moe WBØRTF's announcements as new president were "I am honored to be president and hope I can do as good a job a Greg WA2OOD has in the past year. At the November meeting, all members will need to identify themselves by call or name when seeking the floor. This will help me know who is speaking and it will also help out the secretary."

Les KCØNC reminds all board members to please attend the board meeting.

Mike KØTER motioned to adjourn the meeting and everyone seconds it, and the meeting closed at 8:56 local.

Submitted by Paula Gainer KCØAGG Secretary.

Board Meeting Minutes

October 19, 1998

Paula Gainer, KCØAGG, Secretary

Attending members were; President Moe WBØRTF, Treasurer Rob N7LV, Secretary Paula KCØAGG, Vice President Mike WV7T, Directors Les KCØNC, Greg WA2OOD, Bill NØNJX, Roger KBØRLF, and Editor Jeff NØJLH. Also present was previous director Aaron KD6FLM, Historian Jody KAØROZ, Publicity Ron NKØP, previous editor Bill KDØJU and guests Rhoda KB2BZY, Renay KAØROY, and Cassie.

The meeting was called to order by our new President Moe WBØRTF at 7:05pm. Moe WBØRTF announced for all members to please give their callsign and name when seeking the floor. "She stated that starting from her right that all members give information they needed to present. Paula KCØAGG mentioned that sympathy cards had been sent to George WBØDUM and also to Dave NØEOP. Paula had nothing else to present at this time.

Rob N7LV gave Ron NKØP the library database form to update our information, and some newsletters. Rob mentioned that he received one new key for the P.O. box, he gave the key to Jeff NØJLH. Rob also mentioned that the Sara Witte's article about the AA

Pikes Peak Radio Amateur Association

batteries had been getting around and appeared in the Pueblo Ham Club and Southwestern Traffic Net newsletter. The clubs' bank account will need to be switched over, Rob N7LV, will be adding Mike WV7T to the account.

Rob said that we are still missing the RG-8 coax from Field Day, and are now missing some RG-8 coax from JOTA. He asked all members to check their equipment to look for the missing coax cable. Rob sent out 144 letters to new hams inviting them to the library exhibit and requested reimbursement from the club for the postage. Jeff NØJLH, motioned to reimburse Rob. Paula KCØAGG seconds the motion, and it passed.

Hammy. Last month the hammy was awarded to Rex KIØBJ and since he is moving and won't be around he presented it back to the club. Greg WA2OOD said that the board would decide who should receive it next month. There was much discussion about who should receive the award. The board came to a final decision.

Greg WA2OOD talked about the upcoming Christmas party, and questioned how much money the club should allow to spend on food. Pete Petry WD4DHR has a turkey and stuffing dinner in mind. The other food would be a potluck with members bringing goodies. Greg WA2OOD motioned to authorize up to \$400.00 for expenses for the upcoming Christmas party. Moe WBØRTF seconds it, and it passed unanimously. After the Christmas party we will need a new activities chairperson.

Bill NØNJX had no report at this time.

Jeff NØJLH will be the *Ø-Beat* editor for the upcoming year and Bill KDØJU gave all of the necessary paper work to him. Jeff mentioned that it would be nice to have some regular columns every month and have members contribute interesting articles.

Membership; Les KCØNC will do some checking on membership and tabulate the number of members, as we have just added three new members to the club. He also mentioned that he turned in the door prize money and the tickets.

Ron NKØP had a request from the Rocky Mountain Division for them to receive a complimentary copy of the *Ø-Beat*. A new board information sheet was sent out to the community bulletin board and an idea Ron has on disk. Ron mentioned that a new list of officers should be on the web page and also for the ARRL. Ron needs net volunteers to help make the simplex nets a good success. We could make a web site for the simplex nets with date and name of person to run the net that day. Members can contact either Ron or Jeff to have their name added to the list.

Aaron KD6FLM for the library exhibit would like to have a follow up meeting with in a few weeks to start planning next years Library exhibit in the hopes of making it bigger. He has stated that he will run it again next year. Mike WV7T volunteered to be on the library committee.

Historian; Jody KAØROZ said that she would be bringing pictures of past Field Days to the November meeting and would need help from some of the older hams to identify the people pictured and places. Other than that she had nothing else to report.

Mike WV7T Mike our new vice president said that he is honored to be on the board and if something is going on or if he can help in any way he will be pleased to. You can e-mail him, at wv7t@juno.com.

The Board meeting for November 16th will be held at the QTH of Paula Gainer KCØAGG. Paula will sent out directions to her house. Also, If you have difficulty finding it I usually monitor the 147.345 repeater.

The meeting adjourned at 8:37 local.

Submitted by Paula Gainer KCØAGG Secretary

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Don't Forget the Christmas Party!

If you haven't marked your calendars already, pen in the PPRAA Christmas Party on Wednesday, December 9th, at 7 PM (Our regular meeting night.) The Christmas Party will be at Irving Middle School, 1702 N. Murray Blvd. Bring your spouse and family and enjoy turkey and all the trimmings. Cost to you? Nada! (Please bring a side-dish to share.) Guests? Sure! The club will be picking up the tab on this one. Let's have the biggest turnout in club history! See you there!

Treasurer's Report For Period Ending October 31, 1998 Rob Roller, N7LV

For period ending Sept 30, 1998, the General Fund income was \$253.00 and expenses were \$373.54, for a net cash outflow of \$120.54. Please contact me if you're interested in seeing a more detailed report.

Unfortunately I was unable to attend the annual club meeting in October. Congrats to all the new faces: Mike, Roger, and Moe. Moe is well known and respected in the local community due to her presence on many of the VHF nets. Roger brings lots of experience working with public service, the So. Colorado Traffic Net and the Elmer Net. Mike used to be a club member twenty or so years back, long before my time here in CO, and really wants to get back into the swing of things, so expect to hear lots from Mike in the future. I've enjoyed working with Ron and Aaron, and am glad to see the continuing faces of Greg, Les, Bill and Paula. I'll continue to do what I can to make the club a better place.

Jackets: I still have a few jackets and Mir sweatshirts to hand out. Please call me to make arrangements, or see me in November.

501(c)(3): A number of you have been wondering about this subject. I've been working on it slowly, but with the death in the family and dealing with the estate, I had to slow down quite a bit. Most of the application is filled in, and I expect to have the rest done shortly. We did receive a tax ID number, our Employer ID Number (EIN), which is required for the 501(c)(3) application. That number is 84-1476913.

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President's Corner

Moe Pierce, WBØRTF

This is my first President's Corner, and I would first like to thank all of you for electing me as president of the Pikes Peak Radio Amateur Association. It is an honor, and I hope to serve all of you well.

The Boy Scout Jamboree On The Air was a very good success. I would like to thank Sid, KA2KER for supplying us with the propane heater on Saturday. It really came in handy, as it was cold, damp and windy that day.

It is great to hear that Kate, KCØEGJ and Jonathan, KCØEGK, both got their ham licenses recently. They took the class this summer with Carlos and Greg, and Bill and I were there for elmering, moral support, and their cheering section. Two weeks ago, we went over to Kate and family's, and Greg and Bill helped put up an antenna. Kate treated us all to a steak barbecue. Kate and Jonathan will be a great contribution to the ham radio community.

Again, thanks again for electing me as president.

73,

Moe, WBØRTF

Don't forget:

Some nets in Colorado Springs are using Universal Coordinated Time (UTC.) This means that those net times **have changed**. See the Net schedule on the last page for more information!

Pikes Peak Radio Amateur Association

Scouts Scout Out Ham Radio Rob Roller, N7LV

Bigger and better than previous years and certainly more Scouts than last year's JOTA, this year's special event station W0W, coordinated by Dan Scott KB0PPM, was on the air again from Fort Carson's Tent City area. An estimated 500 Scouts camped out both Friday and Saturday night. Hams from the community set up 2 HF SSB stations, an HF CW station, a satellite station, plus an ATV link, and VHF was used all over the place for the orienteering! Scouts got some good signal reports from the HF stations working faraway places like Germany and even the aircraft carrier USS Hornet! That was a big hit with the Scouts!

There were over a hundred contacts made by the Scouts, plus several dozen messages sent up and down on satellite. Jake also handled a few dozen messages via the NTS. One Girl Scout was pretty excited that her grandma received her NTS message originated that day. Dan's log books show that Scouts made DX contacts with stations in 15 countries, including Argentina, Brazil, Canada, Chile, Colombia, Diego Garcia, England, France, Germany, Nicaragua, New Zealand, Singapore, Venezuela, using 34 operators. JOTA wasn't just for the boys - the Girl Scouts had help from five hams this year. Not far from the Boy Scout camp, KF0WF, KB0REF, KB0WFL, KC0AEB and KC0ADY helped a bunch of Girl Scouts work the world. It really helped that Diane, KC0ADY, a Scout leader herself, was able to represent both ham radio and Girl Scouts. Another Girl Scout leader who spoke Spanish was able to translate the conversations when they made contact with Venezuela. That was real exciting! A Huntsville AL station chatted with the Girl Scouts for probably 45 minutes about the Space Camp and other space attractions down there.

Our two newest hams and club members, Kate and son Jonathan, KC0EGJ and KC0EGK, were really thrilled to be there. Kate was in awe at how quickly a station could get on the air in primitive conditions. She got hands-on experience setting up the tribander and tower, helping out Shel and Rick Brown. Her son



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Jonathan has now operated more modes than some of us: VHF-FM, ATV, HF-SSB, HF-CW, and satellite! Wow! All in the first few weeks of being licensed! Jonathan and Greg WA2OOD were also overheard on 10M using Morse code! It won't be long before he has his General ticket!

No matter what else is around, though, it always seems that when you mix space and kids, you grab the media's attention. That's what happened this year when KKTV-11 caught wind of a satellite station at JOTA. KKTV sent a crew out to cover the story, and some of the Scouts wound up on local TV in addition to ATV. (If any of you managed to tape the KKTV story, we'd like to have a copy for our files!)

Here's an example of a JOTA exchange downloaded from one of the amateur satellites. This message was sent to the Fort Carson group. The first is a message originated at Ft Carson by Sean from Pack 187:

From: NONTX
To: ALL
Subject: CQ Jota
Keywords:

To : ALL
From: NONTX
Time: 194719UTC
Date: 17 Oct 1998

Hello ALL,

Hi! My name is Sean and I am in weblos I am in pack 187 and boy is it fun! I chose to be in weblos because my friend told me that it is very fun!

Followed by the reply from G1OCN in England:

Zero Beat

From: G1OCN
To: NONTX
Subject: Re: CQ Jota
Keywords:

To : NONTX
From: G1OCN
Time: 122022UTC
Date: 18 Oct 1998

Hello Sean,

Good to hear from you via the satellite.
Best wishes to you and the other members of
your 187 Troop.
73 Sean. De Dave.

Such exchanges were typical. The bird stored the uploaded messages, and hams around the world then logged on, downloaded, and replied, maybe on the next pass. The process would take a couple of orbits, but hams around the world read the messages. The Ft Carson station received replies from New Zealand, England, Singapore, as well as US stations.

I guess when you get right down to it, all the stations had their own magical appeal: HF has its world-wide contacts, ATV brought out the clowns in the Scouts, and with satellite and its digital sats you could send written messages around the world in one pass! John NØQJS and Jeff NØWPA had ATV stations going, and a separate monitor sat at Wes' trailer. Some Scouts would hear Wes' melodious voice say something like, "Hey, who's that good looking fella with the Bronco's hat?" coming over the coordination freq, and of course that would start a conversation. ATV was "cool"! Scouts would see other Scouts on the monitor then race down to where the cameras were and clown around like crazy on the air. But put them in front of a mike to talk to a Girl Scout and you could hear a pin drop!

The other exciting and new aspect this year was to merge amateur radio in with orienteering. Jan KØØBUY, KØØDSX, NØZPX, KC7IVB and KØØYCI did a lot to make that run pretty smooth. Orienteering is using a map and compass to navigate through unfamiliar terrain. It's also a competitive sport, and Scouts compete to navigate a course, visit all the checkpoints, and get to the finish. Ham radio was used for the first time in a COS Scout orienteering competition that we know of. Scouts were given directions including bearing and distance to find the checkpoints. Jan mapped out an area about 270 x 35 m

and created 6 courses through the area, complete with decoy points designed to lead the Scouts astray. Scouts used ham radio to call into Control to get instructions (bearing & distance numbers), and call in their results at the end of the course. At least 150 Scouts ran the courses. Each Scout group got to operate both a mobile rig and an HT and pass real traffic, getting the feel of talking into a mic, and understanding how clarity and accuracy works in traffic handling. For many of the Scouts, this was one of the highlights!

Wes and Jeff Smith from Woodland Park were there to run as NCS; they did a great job handling talk-in on .52 and local coordination on .495.

Dan KØØPPM recruited lots of help for the Boy Scouts: KØHBZ, KØSU, KØTER, KA2KER, KØØPPM, KØØYCI, KØØBUY, KØØDSX, KØØEGJ, KØØEGK, KC6NEJ, KC7IVB, KDØJU, KFØUR, NØCYR, NØNKA, NØNTX, NØQJS, NØWPA, N6UPL, N7LV, WØMCT, WØZPX, W8EGF, WA2OOD, WBØRTF. In case you don't recognize them in this list, there are club presidents from three clubs in the region participating!

Not everyone was at Tent City - there were a few stations operating from home to give the Scouts some contacts. Some people that helped with just about everything. Doc did everything from helping with antennas to teaching Jake how to make a cup of decaf coffee. Or was it Jake teaching Doc? Not sure. So, if this is anything like what next year's JOTA will be like, we'll need about a dozen more hams to help! Start getting ready - it's the third weekend in October!



LUNCH BUNCH

The Lunch Bunch will get together November 12th, Noon time, at the Hometown Buffet, located at The Shops Of The Bluffs...Austin bluffs and Academy...Everyone is welcome. We have a fun time and it makes for a good chance to visit other people with ham radio as an interest.

Rosie Calaway, WAØMNL - 471-9965

Pikes Peak Radio Amateur Association

Open House Brings Hams to the Public Rob Roller, N7LV/Aaron Pelouze, KD6FLM

The weather couldn't have been better for setting up antennas and picnic tables. That's what happened October 3 at the East Library & Information Center. With hopes of catching the eyes of young budding hams, about a dozen exhibits were on display that Saturday.

Thanks to all the people and groups that made the 98 Library exhibit a success. A special thanks go to the members of the Pike Peak Radio Amateur Association for all their assistance. Exhibits included Cheyenne Mountain Repeater Group, Radio Amateur Civil Emergency Service, a traffic handling exhibit, Jamboree On The Air, Pikes Peak FM Association, the Columbine (HF Traffic) Net, Colorado QRP Club came down from Denver, the Mountain Amateur Radio Club, Amateur Radio Emergency Service, El Paso County Search and Rescue, a satellite station, an HF station, a QSL card display, a 100 kV Tesla coil, ARRL videos, and we had a hospitality table with coffee, cookies and juice. That's about half of the 30 invitations for people to exhibit.

Even though we did not have the numbers of people coming through I thought we would, the people that did we very interested and asked lots of questions. They got lots of good information and met many active hams in the area.

Fun was had by all. Next year will be even bigger. I am hopping to have more exhibitors and more people wanting to learn about amateur radio. If you have the time next year come on out and take part in the fun.

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One very unexpected highlight was to meet the former head of Russia's equivalent to the ARRL, the UARL. Larry Agabekov, WJ1R/UA6HZ arrived with Marshall N1FN from Denver, part of the CQC group that came down. Larry told us that he has lived in the US for about 3 years, and is very active in ham radio. He operated the W0CQC QRP station from the library, and told us of some of the places he's operated from and the people he's operated with during his travels. Larry was introduced to Rosie as "someone who knows some of the people you've got QSL cards from in your display." Hopefully all of you, in your mingling, had a chance to meet him. He's pictured, standing, in the lower right photo on page 54 of the Oct 98 QST.

All in all, it was a great success. Aaron is going to tackle it again next year, and we'll do what we can to draw an even bigger crowd.

RACES Activates for Prescribed Burn Bryan Curl, N0LUF, RACES Officer

At 5:00 P.M. October 23, EPCRACES was activated to provide support for a prescribed burn of approximately 60 acres of land located in the Black Forest area. The burn was scheduled to occur between the hours of 8:30 AM and 4:30 PM on October 24, 1998. The burn was planned and authorized by the Colorado State Forest Service and executed in cooperation with U.S.D.A. Forest Service, USAFA Natural Resources, Black Forest F.D., Colorado Springs F.D., Donald Wescott F.D., Fort Carson F.D., Hanover F.D., Palmer Lake F.D., USAFA F.D., El Paso Sheriff, El Paso County O.E.M., El Paso County Health Dept., El Paso County Fire Marshal, El Paso County Search & Rescue, El Paso County Wildland Fire Crew, Pikes Peak Wildfire Prevention Partners, Black Forest Slash/Mulch Committee, Academy School District 20, and El Paso County R.A.C.E.S. The RACES Mission was to provide fire weather data and receptor information each half-hour and as requested from various locations around the perimeter of the fire. Additionally, we served as liaison to the general public, who, in passing through the area, had many questions to ask.

Overall, the mission was successful. Weather data was transmitted to ICP via three portable packet radio terminals where the reports were printed and delivered to command. Packet radio was extremely efficient in this role, saving immeasurable amounts of time in copying and delivery compared with methods that would have been used otherwise. Receptor information was transmitted to ICP via two ATV systems and by VHF radio.

Below is a list of EPCRACES personnel -- without whom we cannot be successful -- that participated. Sixteen RACES personnel (60%) responded and provided 99 man-hours of service. I was impressed with everyone's ability to take their assignments and perform them in a professional way, and to quickly work through the problems that were encountered.

Call	Name
NØLUF	Bryan Curl
KEØCQ	Don Fuhs
KCØNC	Les Borst
KIØHI	Joe Thomas
KAØROZ	Jody Borst
KBØREF	Pat Conner
WØMCT	Doc Cornell
KBØRLF	Roger French
NØNKA	Mark Hatcher
NØUVR	Dave Kurth
NØCYR	Jake Jacobs
WBØDUM	George Lockhart
WBØMHP	Doug Moloney
NØWPA	Jeff Ryan
WAØDS	Dave Steele
KBØYTH	Chris Sloan

In addition to thanking all of you who supported this mission, I would also like to thank Scott Campbell, from the Wildland Fire Team, Arnie Lavelett, the Division Commander, and Jim Mesite, of the Emergency Services Division, for asking EPCRACES to participate. Also I would like to thank Sheriff John Anderson for his undying support of El Paso County R.A.C.E.S. This event, although planned in advance, provided much needed training, and many educational benefits to the group.

Pikes Peak ARES Active in City Exercise Rob Roller, N7LV

City emergency responders were out in force on Sept 22. A simulated chlorine leak overwhelmed the "crowd" attending a sports event at the World Arena. Pikes Peak ARES was there, providing communications for the Colorado Springs Office of Emergency Management. Considering it was a weekday, turnout was pretty good with 21 hams showing up. Served agencies participating include most of the local hospitals.

The initial responders, not aware of the scope of the emergency, themselves became "victims" of the simulated chlorine poison. Subsequent responders learned quickly that the unexpected can have severe consequences. About 200 victims, made up by professionals to appear "in really bad shape" were treated by rescue personnel, and taken through decontamination areas.

PPARES provided victim tracking between the triage area and the local hospitals. Because of the sheer number of "victims", not all of them were transported. The information provided by PPARES served both the OEM and the Red Cross, as PPARES would likely assist the ARC in this kind of situation. PPARES also provided amateur TV between the incident site at the World Arena and the incident command post (ICP) at the Doubletree Hotel nearby. The city provided a "cherry-picker" truck and an ATV camera was able to view the entire scene from about 30 or 40 feet off the ground. Multiple frequencies were used for the various nets between the hospitals, the triage site, the ATV camera, the ICP and the OEM manager's shadow. For an exercise that lasted about four hours, about 300 man-hours were put in by PPARES participants, including the time that WØYNE, KBØIAP and NØWPA spent attending a tabletop planning meeting. A complete report filed by EC N9HSW is located in the after-action report section (library) of the Colorado ARES web site at www.iex.net/ares/ares.htm. Thanks to KBØNN for the use of his repeater during the event.

Pikes Peak Radio Amateur Association

Notes From YOUR Program Chairman Jeff Boyes, NØJLH

The program for this month will be on QSL's and QSLing, presented by Rick Brown, KØSU, and, next month, the Christmas Party. (See the announcement on page 7.) After that, Homebrew Night. Get busy on those projects!

Calendar of Upcoming Events

November 11: PPRAA General Membership Meeting.
November 15: PPRAA Foxhunt.
November 16: PPRAA Monthly Board Meeting.
November 14: Colorado COPLAN Meeting at 1100 in Glenwood Springs.
November 18: MARC Meeting at 7 PM at the Senior Citizen Center in Woodland Park.
November 19: RACES Meeting at 7 PM at the El Paso County Office of Emergency Management.
November 21: Colo. Springs Amateur Radio Assn Meeting at 2 PM at the Black Angus Restaurant.
December 9: Annual Christmas Party.
December 12: VE Testing session.

Nets Heard in Colorado Springs

PPRAA Simplex	146.58	Thursday	7:00 PM
CO High Noon	7240	Daily	12 Noon
CO Columbine	3989	Daily	7:00 PM
Southern CO Traffic	146.97-	Daily	8:00 PM
State ARES HF	3928	Sundays	8:00 AM
State ARES VHF	145.13-	Sundays	8:30 AM
CO Repeater Assn	145.16-	Sundays	9:00 AM
CO RACES	3990.5	Sundays	6:00 PM
EPC RACES	3990.5	Sundays	follows
EPC HF Roundtable	28.385	Sundays	follows
PPFMA	146.97-	Sundays	8:30 PM
Elmer Net	146.97-	Mondays	7:30 PM
PPARES	146.97-	Tuesdays	7:00 PM
EPC RACES	147.345+	Tuesdays	7:30 PM
MARA	147.48	Tuesdays	8:30 PM
Park County Club	146.82-	Tuesdays	8:30 PM
ARES Dist 24	145.16-	Thursdays	8:00 PM
CMRG Info	147.345+	Thursdays	9:00 PM

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P.O. Box 16521, Colorado Springs, Colorado 80935

Date: _____ ☐ New Membership ☐ Renewal

Name _____

Address _____

City _____ State _____ Zip _____

Call _____ License Class _____ Telephone _____

Email address: _____

Are you an ARRL member? ☐ Yes ☐ No

One year membership rates, starting the month you receive your first issue:

<input type="checkbox"/> Full Member - \$15.00	<input type="checkbox"/> Family Membership (same address) - \$18.00
<input type="checkbox"/> Full Member over 65 - \$10.00	<input type="checkbox"/> Family Membership (both over 65) - \$12.00
<input type="checkbox"/> Associate Member - \$12.00	<input type="checkbox"/> Newsletter only \$12.00

Additional Name: _____ Call _____ Class _____

Additional Name: _____ Call _____ Class _____

Please check activities for which you would volunteer:

☐ Field Day or similar activity
☐ Radio demonstrations
☐ On-Air Nets/Roundtables
☐ Teach potential hams about ham radio

Your Interests

<input type="checkbox"/> HF	<input type="checkbox"/> VHF/UHF
<input type="checkbox"/> FM	<input type="checkbox"/> SSB
<input type="checkbox"/> Digital	<input type="checkbox"/> DX
<input type="checkbox"/> Contests	<input type="checkbox"/> Technical
<input type="checkbox"/> Hardware	<input type="checkbox"/> _____
<input type="checkbox"/> _____	<input type="checkbox"/> _____
<input type="checkbox"/> _____	<input type="checkbox"/> _____
<input type="checkbox"/> _____	<input type="checkbox"/> _____
<input type="checkbox"/> _____	<input type="checkbox"/> _____
<input type="checkbox"/> _____	<input type="checkbox"/> _____

Please Note: You must submit a completed application form along with your check to the Treasurer for both new members as well as renewals. Thank you.

PLEASE TYPE OR PRINT CLEARLY!